



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/152698
				Filing Date	September 2, 1998
				First Named Inventor	Ragupathy Madiyalakan
				Art Unit	1642
				Examiner Name	K. A. Canella
Sheet	1	of	1	Attorney Docket Number	AREX-P02-004

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
KAC	BA	EP	0 153 871	09-04-1985			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Karen A. Canella, Ph.D./	Date Considered	07/24/2006
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Dated: 10/27/04

Signature: *[Signature]*

(Ginny Blundell)

Docket No.: AREX-P02-004  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Madiyalakan et al.

Application No.: 09/152698

Confirmation No.: 4505

Filed: September 2, 1998

Art Unit: 1642

For: THERAPEUTIC COMPOSITIONS THAT  
PRODUCE AN IMMUNE RESPONSE

Examiner: K. A. Canella

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (SIDS)**

MS RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed after the mailing date of a Final Office Action or Notice of Allowance, whichever occurred first, but on or before payment of the Issue Fee (37 CFR 1.97(d)). Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered.

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent,

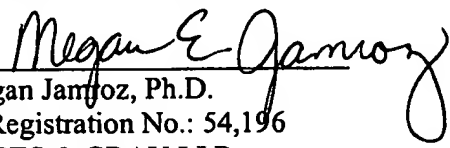
publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Please charge our Deposit Account No. 18-1945 in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. AREX-P02-004.

Dated: October 27, 2004

Respectfully submitted,

By   
Megan Jamroz, Ph.D.  
Registration No.: 54,196  
ROPES & GRAY LLP  
One International Place  
Boston, Massachusetts 02110-2624  
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Attorneys/Agents For Applicant



PTO/SB/02 (08-03)

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Application No. (if known): 09/152698

Attorney Docket No.: AREX-P02-004

## Certificate of Mailing under 37 CFR 1.8

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On October 27, 2004  
Date

  
Signature

Ginny Blundell

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

IDS by Applicant – Form PTO/SB/08a/b (1 Reference)



IFC 1642/8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: March 8, 2006 Signature: Andrea Silverman  
(Andrea Silverman)

Docket No.: AREX-P02-004  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Madiyalakan *et al.*

Application No.: 09/152,698

Confirmation No.: 4505

Filed: September 2, 1998

Art Unit: 1642

For: THERAPEUTIC COMPOSITIONS THAT  
PRODUCE AN IMMUNE RESPONSE

Examiner: K. A. Canella

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is filed more than three months after the U.S. filing date, and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Applicant submits herewith copies of the cited foreign patent documents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Supplemental Information Disclosure statement shall not be construed to be an

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admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Supplemental Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Please charge our Deposit Account No. 18-1945 in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. AREX-P02-004. A duplicate copy of this paper is enclosed.

Dated: March 8, 2006

Respectfully submitted,

By   
Gloria Fuentes

Registration No.: 47,580  
ROPES & GRAY LLP  
One International Place  
Boston, Massachusetts 02110-2624  
(617) 951-7000  
(617) 951-7050 (Fax)  
Attorneys/Agents For Applicant



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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

## FEE TRANSMITTAL For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

### Complete if Known

Application Number	09/152,698
Filing Date	September 2, 1998
First Named Inventor	Ragupathy Madiyalakan
Examiner Name	K. A. Canella
Art Unit	1642
Attorney Docket No.	AREX-P02-004

### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_  
☒ Deposit Account Deposit Account Number: 18-1945 Deposit Account Name: Ropes & Gray LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims - 20 = Extra Claims x Fee (\$) = Fee Paid (\$)

Multiple Dependent Claims  
Fee (\$) Fee Paid (\$)

Indep. Claims - 3 = Extra Claims x Fee (\$) = Fee Paid (\$)

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets - 100 = Extra Sheets / 50 Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement 180.00

#### SUBMITTED BY

Signature	<i>Gloria Fuentes</i>	Registration No. (Attorney/Agent)	47,580	Telephone	(617) 951-7000
Name (Print/Type)	Gloria Fuentes	Date	March 8, 2006		

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Dated: March 8, 2006

Signature: *Andrea Silverman* (Andrea Silverman)



PTO/SB/08a/b (07-05)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	1	of	1	Attorney Docket Number	AREX-P02-004
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**Complete if Known**

Application Number	09/152,698
Filing Date	September 2, 1998
First Named Inventor	Ragupathy Madiyalakan
Art Unit	1642
Examiner Name	K. A. Canella
Attorney Docket Number	AREX-P02-004

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
KAC	AA	US-5,240,833	08-31-93	Nudelman	
KAC	AB	US-5,725,856	03-10-98	Hudziak et al.	
KAC	AC	US-5,807,978	09-15-98	Kokolus	
KAC	AD	US-6,088,613	07-11-00	Unger	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	EP 0 153 871 A2	09-04-1985	Chang		
	BB	EP 0 315 456 B1	05-10-1989	Fagnani		

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
KAC	CA	BAUM, 1994, Activating Anti-Idiotypic Human Anti-Mouse Antibodies for Immunotherapy of Ovarian Carcinoma, Cancer 73:1121-1125	
	CB	GOLUMBEK et al., 1993, The Antitumor Immune-Response as a Problem of Self-NonSelf Discrimination - Implications for Immunotherapy, Immunologic Res. 12:183-192 (Abstract only)	
	CC	JACOBS and HASKELL, 1991, Clinical Use of Tumor Markers in Oncology, Curr. Probl Cancer 15(6):299-360	
	CD	LANZAVECCHIA, 1996, Mechanisms of antigen uptake for presentation, Curr. Opin. Imm. 8:348-354	
	CE	LEITZEL et al., 1992, Elevated Soluble c-erbB-2 Antigen Levels in the Serum and Effusions of a Proportion of Breast Cancer Patients, J. Clin. Oncol. 10(9):1436-1443	
	CF	MADIYALAKAN et al., 1997, OVAREX <sup>TM</sup> Mab-B43.13:IFN- $\gamma$ Could Improve the Ovarian Tumor Cell Sensitivity to CA125-Specific Allogenic Cytotoxic T Cells, Hybridoma 16:41-45	
	CG	WAGNER et al., 1992, Immunotherapy of Advanced Ovarian Carcinomas by Activation of the Idiotype Network, Biotech. Ther. 3:81-89	
	CH	WARD et al., 1997, Unconjugated antibodies for cancer therapy: lessons from the clinic, Cancer Treatment Rev. 23:305-319	

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Examiner Signature	/Karen A. Canella, Ph.D./	Date Considered	07/24/2006
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